

SUBSTITUTE FORM PTO-1449

DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
07422/013001SERIAL NO.
09/189,415INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT:
Finlay et al.FILING DATE
11/10/98GROUP
1645

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AB							
	AC							

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

SD	AD	Paton et al., "Escherichia coli translocated intimin receptor, putative chaperon protein, and intimin (eaeA) genes", DATABASE EMBL - EMPRO Entry/Acc. No. AF025311, 11/1/97
	AE	Paton et al., "Escherichia coli strain 95SF2 translocation intimin receptor Tir (tir) gene, complete CDs; and unknown gene", Entry/Acc. No. AF070067, 6/24/98
	AF	Paton et al., "Translocated intimin receptors (Tir) of Shiga-toxigenic Escherichia coli isolates belonging to serogroups O26, O111, and O157 react with sera from patients with hemolytic-uremic syndrome and exhibit marked sequence heterogeneity," <i>Infection and Immunity</i> , vol. 66, no. 11, 11/98, pp. 5580-6
	AG	Kenny et al., "Intimin-dependent binding of enteropathogenic Escherichia coli to host cells triggers novel signaling events, including tyrosine phosphorylation of phospholipase C-gamma," <i>Infection and Immunity</i> , vol. 65, no. 7, July 1997, pp. 2528-36
	AH	Kenny et al., "Enteropathogenic E. Coli (EPEC) transfers its receptor for intimate adherence into mammalian cells," <i>Cell</i> , vol. 91, 11/14/97, pp. 511-20
SD	AI	Deibel et al., "EspE, a novel secreted protein of attaching and effacing bacteria, is directly translocated into infected host cells, where it appears as a tyrosine-phosphorylated 90 kDa protein," <i>Molecular Microbiology</i> , vol. 28, no. 3, May 1998, pp. 463-74

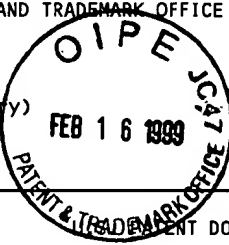
EXAMINER SD DATE CONSIDERED Feb. 04 1999

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Disclosure Form (PTO-1449)

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 07422/013001		Sheet <u>1</u> of <u>1</u> SERIAL NO. 09/189,415	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT: Enlay et al.		RECEIVED GROUP 1645 OCT 15 1999	
(37 CFR 1.98(b))				FILING DATE 11/10/98			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	AA	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	TECH CENTER 1600/2600 FILING DATE IF APPROPRIATE
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
	AB						
	AC						
OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)							
SD	AJ	Roshenshine et al., "Pathogenic bacterium triggers epithelial signals to form a functional bacterial receptor that mediates actin pseudopod formation," <i>The EMBO Journal</i> , vol. 15, no. 11, 1996, pp. 2613-2624					
EXAMINER				DATE CONSIDERED			
				Feb. 06			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 07422/013001		Sheet 1 of 1 SERIAL NO. 09/189,415	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT: Finlay et al.			
				FILING DATE 11/10/98		GROUP 1644 1645	
				(37 CFR 1.98(b))			
PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO
SD	AB	CA 2 078 716 A	3/22/94	Canada			
SD	AC	WO 97 40063	10/30/97	PCT			
OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)							
SD	AD	Abe et al., Characterization of two virulence proteins secreted by rabbit enteropathogenic Escherichia coli, EspA and EspB, whose maximal expression is sensitive to host body temperature, <i>Infection and Immunity</i> , 65(9):3547-3555, (September 1997)					
	AE	Finlay et al., Enteropathogenic E. coli exploitation of host epithelial cells, <i>Annals of New York Academy of Sciences</i> , 797:26-31 (1996)					
	AF	Jarvis et al., Enteropathogenic Escherichia coli contains a putative type III secretion system necessary for the export of proteins involved in attaching and effacing lesion formation, <i>PNAS, U.S.A.</i> 92(17):7996-8000 (Aug 15, 1995)					
	AG	Jarvis et al., Secretion of extracellular proteins by enterohemorrhagic Escherichia coli via a putative type III secretion system, <i>Infection and Immunity</i> , 64(11):4826-4829 (Nov. 11, 1996)					
	AH	Kenny et al., EspA, a protein secreted by enteropathogenic Escherichia coli is required to induce signals in epithelial cells, <i>Molecular Microbiology</i> , 20(2):313-323 (1996)					
SD	AI	Kenny et al., Protein secretion by enteropathogenic Escherichia coli is essential for transducing signals to epithelial cells, <i>PNAS, U.S.A.</i> 92(17):7991-7995 (August 15, 1995)					
EXAMINER	SD			DATE CONSIDERED February 04			
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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